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December 6, 1977

Maura O'Neill
Environmental Specialist
Seattle City Light
1015 Third Avenue
Seattle, Washington 98104

Dear Maura:

In regard to our conversation last Friday at the Imagineering Conference in San Francisco, I am sending you the enclosed information on multiple health furnaces (MHF). You will notice that the information basically describes this process, which is a sludge disposal method by means of either incineration or pyrolysis. Incineration is the oxidative method of thermal decomposition while pyrolysis is a thermal decomposition process in which the combustion process is starved of air and the organics are driven into a vapor gas phase.

The three Versar reports document a laboratory scale test burn and a full scale test burn of co-incineration of sludge and PCBs in a MHF incinerator.

Additionally, new technology has shown that pyrolysis, as explained in the two papers on pyrolysis, is a new method that promises not only to decompose organic constituents but also control the decomposition process to the extent of using the organic gases for energy recovery and prolonging the longevity of the furnace.

I hope this information is useful to you and should you have any questions, please feel free to contact me.

Sincerely

Dennis S. Lachtman
Environmental and Occupational Health Analyst

DSL/2Cclh

cc: F. Sebastian
F.S. Howard

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